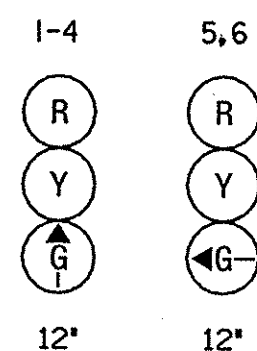
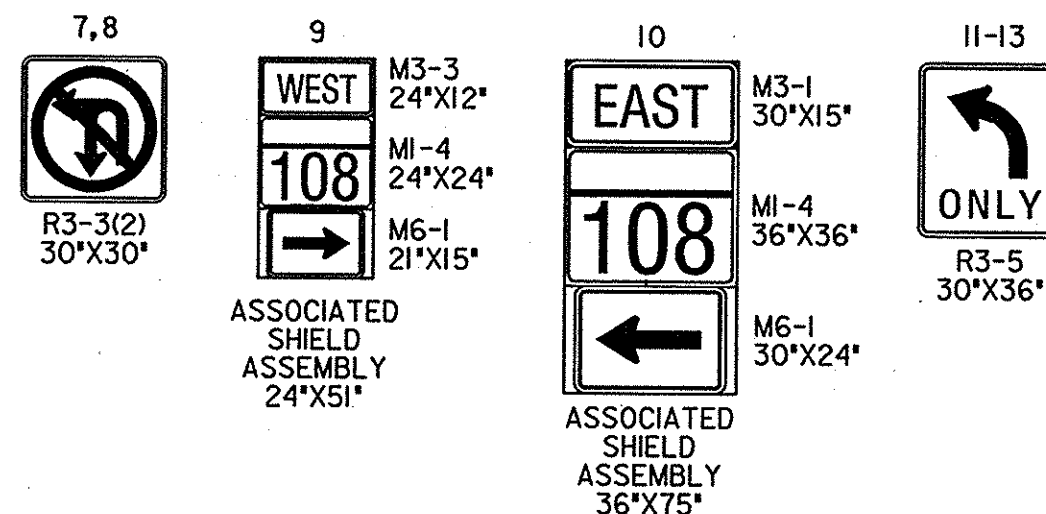


NOTE: MD 108 IS ASSUMED TO RUN  
IN A EAST-WEST DIRECTION

#### PROPOSED LED SIGNALS



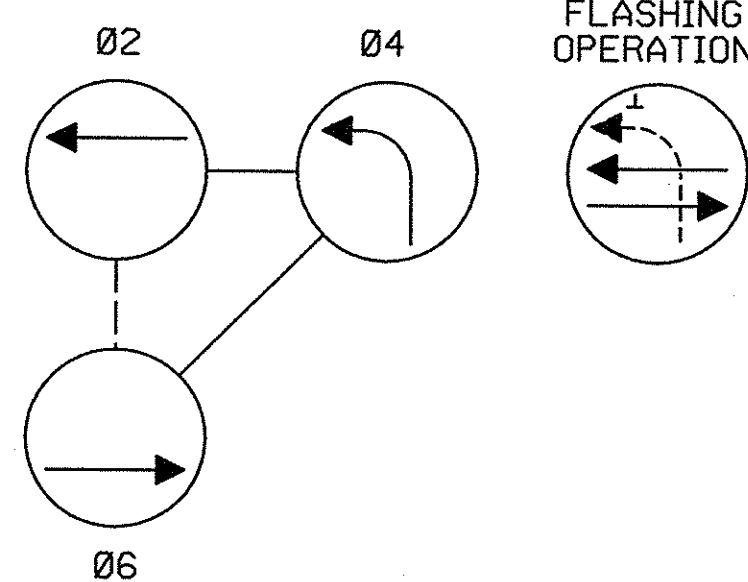
#### PROPOSED SIGNS



#### PROPOSED VIDEO DETECTION

I, II, III

#### NEMA PHASING



#### PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

#### GENERAL NOTES

1. THE CONTRACTOR MUST VERIFY THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THIS PLAN ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. SIGNAL HEADS AND MAST ARMS HAVE BEEN DESIGNED AND DIMENSIONED SO THAT PROPER MINIMUM DISTANCES ARE MAINTAINED TO OVERHEAD UTILITY LINES. CONTRACTOR SHALL ENSURE THAT ALL PROPOSED SIGNAL EQUIPMENT STAYS A MINIMUM OF 10 FT. FROM PRIMARY POWER LINES AND 5 FT. FROM SECONDARY POWER LINES.
4. SEQUENCE OF CONSTRUCTION FOR THE SIGNAL IS ADDRESSED IN THE TRAFFIC CONTROL NOTES TPOI.
5. ALL EXISTING UNUSED ELECTRICAL CABLES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
6. ALL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.
7. SEE PS02 FOR EXACT RIGHT-OF-WAY LOCATIONS.
8. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01 AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

#### CONSTRUCTION DETAILS

- A. INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT. ARMS (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT IN POLE BASE), BLACK FACED LED TRAFFIC SIGNAL HEADS, SIGNS, 20 FT. STREET LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE; CLEAN, CUT (EASTBOUND MD 108 MAST ARM TO 38 FT.), GALVANIZED AND CAP TRAFFIC SIGNAL MAST ARM.
- B. INSTALL 27 FT. STEEL POLE WITH 50 FT. ARM (NOTE: 3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT IN POLE BASE), BLACK FACED LED TRAFFIC SIGNAL HEADS, SIGNS, 20 FT. STREET LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE; CLEAN, CUT, GALVANIZE AND CAP TRAFFIC SIGNAL MAST ARM.
- C. INSTALL NEMA SIZE #6" BASE MOUNTED CABINET AND CONTROLLER WITH CONTROLLER HARDWARE, VIDEO INTERFACE EQUIPMENT, DISCONNECT, AND METER (FOUNDATION SHALL HAVE TWO 4" AND TWO 2" 90 DEGREE CONDUIT ELBOWS).
- D. INSTALL ELECTRICAL HANDHOLE.
- E. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED.
- F. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.
- G. INSTALL TWO (2) 4 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.
- H. INSTALL 24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE, AS DIMENSIONED ON PLAN.
- I. INSTALL VIDEO DETECTION CAMERA USING PEDESTAL BRACKET TO MAST ARM.
- J. CONDUIT TO BE INSTALLED AS PART OF INTERCONNECT PLAN.
- K. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED FOR POWER SERVICE FROM UTILITY POLE TO METERED SERVICE PEDESTAL.
- L. INSTALL METERED SERVICE PEDESTAL.
- M. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED PRIOR TO FINAL OVERLAY.

#### GEOMETRIC LEGEND

EXISTING \_\_\_\_\_  
PROPOSED \_\_\_\_\_

#### UTILITY LEGEND

— G — G — GAS MAIN  
— W — W — WATER MAIN  
— S — S — SEWER MAIN  
— E — E — ELECTRIC CABLES  
— A — A — AERIAL CABLES  
— T — T — TELEPHONE CABLES

GATEWAY OVERLOOK  
SHOPPING CENTER  
(ROAD 'A')

#### DESIGN CONSULTANT



WALLACE, MONTGOMERY  
& ASSOCIATES, LLP

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#### APPROVALS

#### REVISIONS

APPROVALS  
TEAM LEADER: Amy K. Beall 8/26/05  
ASST. DIV. CHIEF: [Signature] 8/26/05  
DIVISION CHIEF: [Signature] 8/26/05  
OFFICE DIRECTOR: [Signature] 8/26/05



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
TRAFFIC ENGINEERING DESIGN DIVISION  
OFFICE OF TRAFFIC & SAFETY

MD 108 AND GATEWAY OVERLOOK  
SHOPPING CENTER (ROAD 'A')  
SIGNAL PLAN

SG-03

SCALE 1" = 20' DATE 06-30-05 CONTRACT NO. \_\_\_\_\_

DESIGNED BY J.L.R. TS NO. 4446  
DRAWN BY J.L.R. T.I.M.S. NO. 6875  
CHECKED BY M.J.A. F.A.P. NO. \_\_\_\_\_  
COUNTY HOWARD LOGMILE 13010815.05

DRAWING NO. 3 OF 6 SHEET NO. 41 OF 49

SURVEY  
BOOK NO. \_\_\_\_\_

PLOTTED: WEDNESDAY, AUGUST 24, 2005 AT 03:26 PM  
FILE: 8FILES

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